

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v33)**

1. Solve the equation with factoring by grouping.

$$10x^2 - 15x + 8x - 12 = 0$$

2. Solve the equation.

$$(8x - 7)(4x - 5) = 0$$

3. Solve the equation.

$$10x^2 - 24x + 30 = 5x^2 + 3x + 2$$

4. Expand the following expression into standard form.

$$(2x - 3)^2$$

5. Expand the following expression into standard form.

$$(8x + 9)(8x - 9)$$

6. Factor the expression.

$$81x^2 - 49$$

7. Factor the expression.

$$x^2 - 2x - 24$$

8. Expand the following expression into standard form.

$$(3x + 7)(5x - 2)$$